

# Fort Scott Community College

## Program of Study

# Physics / Pre-Engineering

The Physics and Pre-Engineering program is designed to help students meet the mathematics, science and general education course requirements necessary to transfer to a four-year school and major in physics, math or engineering. Students interested in physics or pre-engineering should contact the Physics Department.

Note: Students unable to take Calculus I their first semester should visit with the Advising Office about an alternative schedule for their math courses.

### Concentration Requirements:

MAT 1015	Calculus I.....	5
MAT 1025	Calculus II.....	5
MAT 2033	Calculus III.....	3
CHE 1015	General Chemistry I.....	5
CHE 1025	General Chemistry II.....	5
COM 2403	C++ Programming.....	3
PHS 2015	Physics I.....	5
PHS 2025	Physics II.....	5
PHS 2103	Statics.....	3
<b>Total</b>	<b>.....</b>	<b>39</b>

### Suggested Curriculum:

FIRST SEMESTER		
ENG 1013	English 101 .....	3
CHE 1015	General Chemistry I .....	5
MAT 1015	Calculus I .....	5
PHE 2671	Lifetime Fitness Concepts.....	1
	Humanities .....	3
EDU 1211	College Orientation .....	1
<b>Total Hours .....</b>		<b>18</b>

  

SECOND SEMESTER		
ENG 1023	English 102 .....	3
CHE 1025	General Chemistry II .....	5
MAT 1025	Calculus II .....	5
	Social or Behavioral Science .....	3
<b>Total Hours .....</b>		<b>16</b>

THIRD SEMESTER		
MAT 2033	Calculus III .....	3
PHS 2015	Physics I.....	5
	Social or Behavioral Science .....	3
COM 2403	C++ Programming.....	3
SPE 1093	Public Speaking .....	3
<b>Total Hours.....</b>		<b>17</b>

  

FOURTH SEMESTER		
PHS 2025	Physics II.....	5
PHS 2103	Statics .....	3
	Social or Behavioral Science .....	3
	Cultural Studies.....	3
EDU 2511	Capstone.....	1
<b>Total Hours .....</b>		<b>18</b>